



**Los Angeles Regional Water Quality Control Board**

December 18, 2018

Ms. Shirley Lau, P.E.  
City of Los Angeles  
Department of Public Works  
1149 S. Broadway, Room 750  
Los Angeles, CA 90015

VIA CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
No. 7016 0750 0000 8035 0420

Dear Ms. Shirley Lau:

RE: CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER FOR THE Glendale Boulevard-Hyperion Avenue Complex of Bridges Improvement (WDID FILE #4WQC40117029)

Enclosed please find a Clean Water Act Section 401 Water Quality Certification and Order, authorized by Los Angeles Regional Water Quality Control Board Executive Officer, Deborah J. Smith. This Order is issued to Ms. Shirley Lau, the City of Los Angeles, Department of Public Works for the Glendale Boulevard-Hyperion Avenue Complex of Bridges Improvement (Project). Attachments A through C of the Enclosure are also part of the Order.

This Order is issued in response to an application submitted by the City of Los Angeles for proposed Project discharges to waters of the state, to ensure that the water quality standards for all waters of the state impacted by the Project are met. You may proceed with your Project according to the terms and conditions of the enclosed Order.

If you require further assistance, please contact Dana Cole by phone at (213) 576-5733 or by email at [dana.cole@waterboards.ca.gov](mailto:dana.cole@waterboards.ca.gov)

You may also contact me, by phone at (213) 576-6785 or by email at [LB.Nye@waterboards.ca.gov](mailto:LB.Nye@waterboards.ca.gov)

Sincerely,

LB Nye  
Senior Environmental Scientist  
Section 401 Certification and Wetlands Unit  
Los Angeles Water Quality Control Board

Enclosures (1): Order for Glendale Boulevard-Hyperion Avenue Complex of Bridges Improvement, File No. 17-029

cc: [Via email only] (w/ enclosure):

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Senior Environmental Scientist  
Psomas

Elizabeth Payne  
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Division of Water Quality  
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Los Angeles Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

<b>Effective Date:</b> December 18, 2018	<b>Reg. Meas. ID:</b> 412321
<b>Program Type:</b> Fill/Excavation	<b>Place ID:</b> 833917
	<b>WDID:</b> 4WQC40117029
	<b>NWP:</b> 3, 14
	<b>USACOE#:</b> SPL-2018-00114-JJP
	<b>R4 File #</b> 17-029
	<b>408 (Red Car bridge)</b> SPL-408-2018-018
	<b>408 (Bridge complex)</b> SPL-408-2018-002

**Project Type:** Bridges, Overpasses and Crossings

**Project:** Glendale-Hyperion Bridge Improvement Project (Project)

**Applicant:** City of Los Angeles

**Applicant Contact:** Ms. Shirley Lau, P.E.  
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Department of Public Works  
Bureau of Engineering  
Bridge Improvement Division  
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**I. Order**

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of the City of Los Angeles (hereinafter Permittee) for the Project. This Order is for the purpose described in the application submitted by the Permittee. The application was received on March 1, 2017. The application was deemed complete on October 3, 2018.

**II. Public Notice**

The Los Angeles Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from March 7, 2017 to the effective date of Order. The Los Angeles Water Board did not receive any comments during the comment period.

**III. Project Purpose**

The Project purpose is to reduce the vulnerability of the Glendale-Hyperion Bridge complex to major earthquake events, resolve design deficiencies (inadequate curb width, absence of shoulders etc.), and improve traffic safety and traffic circulation.

**IV. Project Description**

The Glendale-Hyperion Bridge complex spans over I-5 (Golden State Freeway), the Los Angeles River, and City streets connecting the Silverlake and Atwater Village communities in the Northeast Los Angeles Planning Area. The Project is a multi-purpose improvement to accommodate bridge rehabilitation, traffic safety and efficiency, and historic preservation.

Need for Project

The Federal Highway Administration classifies the Glendale-Hyperion Bridge as “functionally obsolete” under the Federal Highway Administration ranking criteria. The bridge structures also require seismic retrofitting to meet current standards of the City of Los Angeles and State of California. The current complex presents a risk due to collapse under recently revised maximum credible earthquake event design criteria. Each of the complex’s component structures requires seismic retrofitting to meet current standards.

Glendale Boulevard northbound and southbound lack shoulders, and a minimum shoulder width of four feet is required. The pedestrian facilities along Hyperion Avenue and Glendale Boulevard viaducts are inadequate. Pedestrians using the sidewalks walk along a two-foot-wide narrow curb and are exposed to vehicular traffic.

The Los Angeles River Revitalization Master Plan (River Revitalization Plan) includes, in part, a pedestrian bridge over the Red Car piers, a river bikeway access ramp on Glendale Blvd. northbound, and a bio-infiltration basin and bio-swale and these will be constructed as part of this Project. The bio-infiltration basin will be constructed northwest of the viaduct complex on Caltrans I-5 Right-of-Way as a permanent water quality treatment facility capturing stormwater and runoff from the viaduct complex and surrounding areas. The basin area will be used for staging prior to construction of the permanent bio-infiltration basin.

Scope of Project

The Project is comprised of two phases. Phase I will incorporate the existing, historic, Red Car Bridge support piers within the Los Angeles River channel for construction of a new

pedestrian bridge (the original Red Car Bridge was previously demolished and only the support piers remain). Phase II comprises all other components and will modify the existing Glendale-Hyperion complex of bridges to address safety and operational deficiencies, pedestrian safety issues, and current seismic deficiencies.

During pier and abutment construction for both phases, a work zone will also be established in the river channel in the immediate area of the piers or abutments. This section of the river bottom is concrete-lined, and the work area will be confined to the concrete pad so as not to physically disturb the un-lined portions of the river upstream or downstream of the Glendale Bridges and the Red Car Pedestrian Bridge. Flow within the river will be diverted around the work area.

A conceptual k-rail and sandbag system water diversion plan has been developed for the project. The Permittee will also consider using inflatable coffer dams in place of a k-rail and sandbag system. The inflatable coffer dams will be placed in a configuration similar to that for k-rails. The water diversion structure will be mobile. A final water diversion plan will be provided to the Los Angeles Water Board for review and approval prior to the start of construction activities

The Glendale Bridge will be widened eight feet along the northbound lanes (east, or downstream side) and eight feet along the southbound lanes (west, or upstream side). To support the widened bridge, the piers will need to be lengthened along the channel. At the upstream side the piers will be extended 10 feet. At the downstream side, the lengthened piers will replace the existing channel walls. The proposed new piers and the existing channel walls have the same width so there will be no permanent change in river channel on the downstream side.

Two temporary access ramps will be constructed: one from the east bank and one from the west bank of the river. The temporary access ramps will be removed before every storm. The temporary access ramps will be removed and replaced between project phases if substantial phase separation occurs or is anticipated. Access to the Project will be at three locations:

- The existing bike path entrance on the southwestern bank of the channel off southbound Glendale Boulevard;
- The bike path entrance at Ferncroft Road near the landscaped median separating northbound Glendale Boulevard traffic from two-directional traffic on the frontage road;
- The entrance off Fletcher Drive approximately 0.75 mile downstream from the viaduct complex. This access point allows vehicle to drive along the top of the river to the project location without having to drive in the natural bottomed portion of the channel.

The construction activities or impacts within waters include:

Phase I:

- The Red Car Pedestrian Bridge piers and abutments to support the proposed new pedestrian bridge will be reconstructed. The channel lining will not be impacted at this location.
- Modifications to portions of existing Piers 3 and 5 will include complete removal and replacement of these piers above the existing exposed footings, however no removal of the existing footings or channel lining will occur. Replacement of short segments of the existing connecting walls where they connect to piers may also occur.
- Modifications to portions of existing Piers 2, 4, and 6 will include removal of approximately the top ten feet of these piers. No removal of the footings, channel lining, or connecting walls will occur.
- Three modular steel superstructures will be delivered in segments, bolted together on site, and craned into place on the piers and abutments. The crane will be located in the channel for the superstructure placement. The channel bed may be used to assemble the trusses.
- Seven new geotechnical borings will be drilled during this Phase of construction. The borings will provide additional geotechnical information on the subsurface geology of the Los Angeles River at the locations of the future drilled shafts, which will be constructed during Phase 2 of the Project. The data will allow the construction contractor to better understand the means and methods to place the shafts to reduce project risks and lessen the duration of construction in the river. Three borings are planned on the downstream side of the existing bridge and four are planned upstream of the existing bridge. Boring work is anticipated to occur in May of 2019.
- Drilling equipment can reach the river without the need of a ramp. Access to the river will be provided at Ferncroft Avenue on the southeast side of the project. Drill rigs will traverse the 3:1 slope down the channel to access the downstream side. The drill rigs will cross under the Glendale-Hyperion Bridge to access the upstream side. As an alternative measure, a modular drill rig can be disassembled to facilitate greater mobility to drill sites. Water diversion may be required for the drill rigs to reach the boring locations. The pier walls form separate channels under the bridge, allowing each to create a dry area for the drill rig for soil boring. Alternatively, a wooden trestle can be constructed on the pier extension walls, allowing a drill rig access to the river bottom via a conductor casing without water diversions.
- A temporary water diversion structure will be installed to allow continuous flow of the river. There is no low flow channel in this section of the Los Angeles River, the temporary water diversion structures will be needed to divert all water between the existing bridge support piers. The river will be diverted through the Project area in stages to allow the pier work to commence. Five percent of the design flow (3,900 cubic feet per second) is required to pass through the diversion.

Phase II:

- The channel lining around each existing pier and abutment of both the upstream and downstream Glendale Bridges will be removed and replaced. Total removal footprint will be approximately 15,000 square feet.
- Approximately five new drilled shaft pilings will be placed within each existing pier and abutment of both the upstream and downstream Glendale Bridges to support the widened bridges. Approximately 70 new piles will be placed. Piles will be installed by augering holes, inserting support sleeves or reinforcing cages, and filling with concrete.
- Piers will be extended lengthwise upstream by approximately 10 feet.
- Two storm drain lines entering the channel will be reconfigured.
- A temporary water diversion structure will be installed to allow continuous flow of the river while work to widen the Glendale Bridges continues. The temporary water diversion structure will be constructed of concrete k-rails, sand bags, and other materials to divert all water between the existing bridge support piers. The water diversion design will allow 33 percent of the design flow (26,000 cubic feet per second), to be diverted around the abutment and pier work.
- The widened bridge superstructure will require the construction of temporary piers in the river to support falsework. The temporary structures will be designed for the lower flows expected during the low flow season. The channel capacity of 78,000 cubic feet per second has been approved by the US Army Corps of Engineers. The contractor's structures design will be stamped by a licensed civil engineer and will be reviewed by the City of Los Angeles.
  - No work will occur in the channel during the high flow season between October 15 and April 15.
  - Between April 15 through May 31 and September 1 through October 15, the structures will be required to be designed for 33% of the channel capacity expected during these time periods.
  - Between June 1 to August 31 the structures will be required to be designed for 5% of the channel capacity expected during this time period.
- Approximately 7,000 cubic yards of soil encased in concrete in the deck of the Glendale-Hyperion superstructure will be removed and replaced with concrete. Any removed soil will be taken to a legal point of disposal.
- Soil excavation (approximately 3,600 cubic yards) and backfill (approximately 2,300 cubic yards) around the bridge pier and abutments will occur both upstream and downstream.



- A portion of the concrete channel lining at the north and south sides of each river abutment and pier will be removed and replaced around each existing pier and abutment of both the upstream and downstream Glendale Bridges. The total removal and replacement area will be approximately 15,000 square feet.
- Short segments of the existing connecting walls to the bridge piers on the south side will be temporarily removed.
- Cast-in-drilled hole piling at the north and south sides of the river abutments and piers will be installed.
- Pile caps, abutment walls, and pier wall extensions at the north and south sides will be cast and short segments of connecting walls replaced.

### Temporary Impacts

Approximately 2.060 acres of waters of the State will be temporarily impacted by equipment movement and water diversion. Approximately 0.064 acre of waters of the State fall within the pier reconstruction area. These areas will be excavated but returned to the original cross section following project construction.

Up to 0.153 acre of ephemeral emergent vegetation that has grown adjacent to the existing piers will be mowed to one to two inches above ground level, but not removed. No vegetation will be permanently impacted.

Approximately 0.067 acre of riparian vegetation that has encroached on the concrete pad north of the Glendale Bridge will be removed to provide room for construction. This impact will consist of relocating the native vegetation into the adjacent soft bottomed portion of the Los Angeles River. Prior to relocating the vegetation, non-native species present will be removed and legally disposed offsite.

Other temporary impacts to the river bed will be from the staging of equipment and personnel for construction work. During construction, a work zone will be established in the Los Angeles River. The work zone includes temporary equipment access ramps and temporary water diversion structures. All work will be confined to the concrete-lined slopes and bottom of the river. Flow within the river will be diverted around the work area. This is considered a temporary impact. Up to 0.030 acre of waters will be temporarily covered with earth by construction of a temporary access ramp that will extend into the river channel bed; this impacted acreage is accounted for as part of the equipment access and staging for construction.

Because no excavation, backfill, piling, or changes to the channel lining are planned for the reconstruction of the Red Car Pedestrian Bridge, all impacts for that phase of the Project are considered temporary, and are included in those temporary impacts listed above.

Permanent Impacts

The piers will be extended length-wise northward by approximately 10 feet at the Glendale-Hyperion Bridge. Based on the current project limits of disturbance, approximately 0.004 acre of non-wetland waters of the state and U.S. and 0.006 acre of California Department of Fish and Wildlife jurisdiction will be permanently impacted by the project.

Bio-infiltration Basin

After bridge construction, stormwater in the vicinity will be directed into a bio-infiltration basin where it will be detained, infiltrated, and treated prior to river discharge. Treatment will improve water quality associated with the first flush of stormwater. The basin will be integrated into Sunnynook Park, which was constructed in 2012 west of Glendale Boulevard, east of I-5, west of the Los Angeles River, and south of the Sunnynook Pedestrian Bridge upstream of the Project site. Trees will be removed and replaced in the basin, and ground cover planted after demobilization. The basin will be monitored for insect vector issues. The basin will also provide overflow protection for the adjacent transportation infrastructure.

In addition to the bio-infiltration basin, the project will include the construction of a bio-swale south of northbound Glendale Boulevard. The bio-swale will operate as a pre-treatment for stormwater prior to river discharge, located between the I-5 off-ramp and the Los Angeles River.

Schedule

The general construction schedule for Phase 1 (approximately 365 days) is planned for a start in December 2018, ending in December 2019. The general construction schedule for Phase 2 (approximately 1,095 days) will start July 2019, and end August 2022.

**V. Project Location**

The proposed project will take place in the City of Los Angeles at the Glendale-Hyperion Avenue viaduct complex in Los Angeles County.

<u>Latitude</u>	<u>Longitude</u>
34.113235	-118.266476
34.113283	-118.265912
34.114322	-118.265492
34.114462	-118.265151
34.113708	-118.264626
34.113311	-118.264600
34.112567	-118.264672
34.112415	-118.264770

Maps showing the Project location are found in Attachment A of this Order.

**VI. Project Impact and Receiving Waters Information**

The Project is located within the jurisdiction of Los Angeles Regional Water Quality Control Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at:

[http://www.waterboards.ca.gov/plans\\_policies/](http://www.waterboards.ca.gov/plans_policies/)

The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Receiving Water: Los Angeles River Reach 4  
(Hydrologic Unit Code: 180701050208)

Designated Beneficial Uses: MUN\*, IND, GWR, REC-1, REC-2, WARM, WILD, WET

\*Conditional beneficial use

**VII. Description of Direct Impacts to Waters of the State**

The anticipated impacts to waters of the State from project activities are listed above in the Project Description. The majority of the temporary impacts (2.060 acres) and all the permanent impacts are to the unvegetated concrete-lined channel.

Total Project fill/excavation quantities for all impacts are summarized in Table 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition only.

<b>Table 2: Total Project Fill/Excavation Quantity</b>				
<b>Aquatic Resource Type</b>	<b>Temporary Impact<sup>1</sup></b>		<b>Permanent Impact</b>	
			<b>Degradation of Ecological Condition Only</b>	
	<b>Acres</b>	<b>LF</b>	<b>Acres</b>	<b>LF</b>
Stream Channel	2.280	961	0.004	365

**VIII. Compensatory Mitigation**

The bulk of the impacts are temporary concrete-to-concrete repairs and do not require additional compensatory mitigation. The Permittee has agreed to provide compensatory mitigation and purchase 2.06 acres of Preservation of Freshwater Marsh and purchase 0.464

<sup>1</sup> Includes only temporary direct impacts to waters of the state and does not include upland areas of temporary disturbance which could result in a discharge to waters of the state.

acres of Preservation of Riparian Woodland from the Santa Paula Creek Mitigation Bank for direct impacts.

The Permittee has submitted an approved draft compensatory mitigation plan as part of the application. The Permittee shall provide a final compensatory mitigation plan for acceptance by Los Angeles Water Board staff. Upon acceptance by Los Angeles Water Board staff, the Permittee shall implement the approved plan.

#### **IX. California Environmental Quality Act (CEQA)**

On September 4, 2013, the City of Los Angeles, Department of Public Works, Bureau of Engineering, as lead agency, adopted a mitigated negative declaration (MND) (State Clearinghouse (SCH) No. 2007-011107) for the Project and filed a Notice of Determination (NOD) at the SCH on June 10, 2015. The Los Angeles Water Board is a responsible agency under CEQA (Cal. Code Regs., tit. 14 § 15096(e); Pub. Resources Code, § 21167.2.) and in making its determinations and findings, must presume that the lead agency's adopted environmental document comports with the requirements of CEQA and is valid. (Pub. Resources Code, § 21167.3.) The Los Angeles Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by the lead agency addresses the Project's water resource impacts. (Cal. Code Regs., tit. 14, § 15096, subd. (f).)

#### **X. Petitions for Reconsideration**

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

#### **XI. Fees Received**

An application fee of \$600.00 was received on March 1, 2017. An additional fee of \$780.00 was received on April 23, 2018. An additional fee of \$46,425.00 was received on November 7, 2018. The fee amount was determined as required by California Code of Regulations, title 23, sections 3833(b)(3) and 2200(a)(3), and was calculated as category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

#### **XII. Conditions**

The Los Angeles Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

##### **A. Authorization**

Impacts to waters of the state shall not exceed quantities shown in Table 2.

##### **B. Reporting and Notification Requirements**

Requirements for the content of these reporting and notification types are detailed in Attachment C, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and

Notification Cover Sheet located in Attachment C, which must be signed by the Permittee or an authorized representative.

## 1. Project Reporting

- a. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the anniversary of Project effective date. Annual reporting shall continue until a Notice of Project Complete Letter is issued to the Permittee.

## 2. Project Status Notifications

- a. **Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities.
  - b. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Los Angeles Water Board staff shall issue a Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period and associated annual fees.
  - c. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete,<sup>2</sup> and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.
- ## 3. Conditional Notifications and Reports:
- The following notifications and reports are required as appropriate.
- a. **Accidental Discharges of Hazardous Materials<sup>3</sup>**

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<sup>2</sup> Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

<sup>3</sup> "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Saf. Code, § 25501.)

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
    - first call – 911 (to notify local response agency)
    - then call – Office of Emergency Services (OES) State Warning Center at: (800) 852-7550 or (916) 845-8911
    - Lastly, follow the required OES procedures as set forth in:  
[http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill%20Booklet%20Feb2014%20FINAL%20BW%20Acc.pdf)
  - ii. Following notification to OES, the Permittee shall notify Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
  - iii. Within five (5) working days of notification to the Los Angeles Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.
- b. Violation of Compliance with Water Quality Standards:** The Permittee shall notify the Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
- i. Examples of noncompliance events include: lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, and water contact with uncured concrete.
  - ii. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.
- c. In-Water Work**
- i. If stream diversion will be necessary, the Permittee shall submit to the Los Angeles Water Board staff a Stream Diversion Plan, with a diagram and a narrative description of the method to divert the stream and associated BMPs, for acceptance at least 30 days in advance of any stream diversion.
  - ii. During stream diversion, water quality monitoring shall be conducted. Requirements for water quality monitoring are in Section XIII, C, 3.
  - iii. The Permittee shall notify the Los Angeles Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, delivered written notice, or other verifiable means.
  - iv. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Los Angeles Water Board staff.

**d. Modifications to Project**

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order.

**e. Transfer of Property Ownership:** This Order is not transferable in its entirety or in part to any person or organization except after notice to the Los Angeles Water Board in accordance with the following terms:

- i. The Permittee must notify the Los Angeles Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee and purchaser must sign and date the notification and provide such notification to the Los Angeles Water Board at least 10 days prior to the transfer of ownership.
- ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

**f. Transfer of Long-Term BMP Maintenance:** If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the Los Angeles Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the Los Angeles Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.**C. Water Quality Monitoring**

1. **General:** If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).
2. **Accidental Discharges/Noncompliance:** Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.
3. **In-Water Work or Diversions:**

For projects involving planned work in water or stream diversions, a water quality monitoring plan shall be submitted to Los Angeles Water Board staff for acceptance at least 30 days in advance of any discharge to the affected water body. Water quality monitoring shall be conducted in accordance with the approved plan.

During planned work in water or stream diversions any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.
- b. Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.

The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharges.

- c. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.
- d. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Sampling shall be conducted in accordance with Table 3 sampling parameters.<sup>4</sup>

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L & % saturation	Grab	Daily for the first week, weekly, thereafter
pH	Standard Units	Grab	Daily for the first week, weekly, thereafter
Turbidity	NTU	Grab	Daily for the first week, weekly, thereafter
Temperature	°F (or as °C)	Grab	Daily for the first week, weekly, thereafter

<sup>4</sup> Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Los Angeles Water Board staff. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring shall be maintained onsite.



Baseline sampling shall be conducted at a minimum of one location within the project boundary for each phase. All other sampling shall take place at a minimum of two locations. In streams or flowing water the sample locations shall be upstream and downstream. Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. A summary of results shall discuss the analysis. Every measurement not meeting the compliance limits shall be accompanied by an explanation, the actions taken to correct the degradation to waters, and addressed in *Violation of Compliance with Water Quality Standards* reporting above.

4. **Post-Construction:** Visually inspect the Project site during the rainy season for 5 years to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Los Angeles Water Board staff member overseeing the Project within three (3) working days. The Los Angeles Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

#### D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, title 23, chapter 28, Article 6 commencing with sections 3867-3869, inclusive. Additionally, the Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
2. This Order is not intended and shall not be construed to apply to any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license, unless the pertinent certification application was filed pursuant to subsection 3855(b) of chapter 28, title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under title 23 of the California Code of Regulations and owed by the Permittee.
4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

## E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Los Angeles Water Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.
3. In response to a suspected violation of any condition of this Order, the Los Angeles Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem appropriate, provide that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
6. **Construction General Permit Requirement:** If enrolled, the Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-009-DWQ and NPDES No. CAS 000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit).

## F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment A of this Order.
2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a "take" will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take prior to any construction or operation of

the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.

3. The Permittee shall grant Los Angeles Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
  - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
  - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
  - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
  - d. Sample or monitor for the purposes of assuring Order compliance.
4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.
6. Lake and Streambed Alteration Agreement – The Permittee shall submit a signed copy of the Department of Fish and Wildlife’s lake and streambed alteration agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

## **G. Best Management Practices (BMPs)**

### **1. Dewatering**

- a. Groundwater sampling and testing during the design phase will be performed to determine the level and depth of groundwater contamination.
- b. The contractor will be required to prepare and implement a management plan in the event that hazardous wastes, petroleum hydrocarbons, or contaminated groundwater are encountered during construction.
- c. The contractor shall use a photo-ionization detector (PID) or other organic vapor detector during all pile drilling and boring activities and to employ appropriate worker protection measures should detected levels exceed Cal-OSHA standards.
- d. No dewatering operations are anticipated. If groundwater is encountered during the installation of the cast in place drilled hole piles, it will be pumped into storage tanks and taken to a legal point of disposal.

## 2. Site Management

- a. The City shall designate a monitor to regularly monitor the contractor's activities. The monitor shall have the authority to stop work, if necessary, until any needed BMP repairs are performed by the contractor to the monitor's satisfaction.
- b. Prior to construction and demolition work for Phase 2, protective barriers will be constructed along the Glendale bridges' exterior to contain any debris, tools, or other materials that could fall into the river channel or into the work zone established in the channel.
- c. To minimize debris deposition into the Los Angeles River channel, the following BMPs will be applicable for the construction work on the viaduct:
  - i. Shattering methods will not be employed for demolition activities (i.e., wrecking balls).
  - ii. Platforms will be placed under/adjacent to the viaduct to collect debris.
  - iii. Water tight curbs or toe-boards will be provided on the viaduct using waterproof membrane material and wood cut and formed to block the catch basin inlets to contain spills and prevent materials, tools, and debris from falling from the viaduct.
  - iv. Attachments will be used on equipment, such as backhoes, to catch debris from small demolition operations.
  - v. Work areas within the Los Angeles River will be isolated from the river flow using inflatable coffer dams, sandbags, k-rails, rubber dams, waterproof membranes, or other methods of isolation.
- d. Any diversion of water necessary for project implementation will be conducted in compliance with a water diversion plan.
- e. The Contractor will be required to prepare a water diversion plan that complies with all regulatory permits and agreements.
- f. Stabilized entrances and concrete washout areas will be located outside of the Los Angeles River channel near the channel access connection within the public right of way at the river maintenance access point.
- g. Any debris tracked into public right of way will be cleaned daily with a street sweeper per the City of Los Angeles specifications.
- h. Drip pans will be used under all vehicles and equipment placed in the channel, staging areas, or on the viaduct when expected to be idle for more than one hour.
- i. All equipment used in the channel will be properly maintained to prevent pollutants from entering the channel.
- j. All construction equipment entering the Los Angeles River channel will be equipped with rubber tires.
- k. Screens, traps, and good housekeeping practices will be employed to prevent construction debris and silt from entering the channel.
- l. Trash will be removed from the project site daily.

- m.** Contractor will use wind erosion best management practices such as tarps and limiting construction activities during windy conditions to limit wind-blown debris from drilling activities, stockpile areas, and grading from entering the Los Angeles River channel.
- n.** Contractor will collect, and properly dispose of, all water from concrete curing and finishing operations.
- o.** All accumulated debris and waste generated from demolition will be temporarily stockpiled outside of the Los Angeles River channel at a designated staging area (approved by the City of Los Angeles) and taken to a legal point of disposal before the end of operations.
- p.** No petroleum or other fuels will be released into the Los Angeles River.
- q.** All equipment will be kept in good working order and inspected for leaks prior to use in the river bed.
- r.** Leaks will be repaired immediately, or problem vehicles or equipment will be removed from the project site.
- s.** Equipment will be staged in containment or other suitable barrier overnight to prevent accidental leakage of fluids.
- t.** Any spills will be cleaned up immediately.
- u.** When fueling must occur on site, a designated fueling area will be used. Absorbent spill clean-up materials and spill kits will be available in fueling areas.
- v.** Fueling areas will be protected from storm water runoff and will be located at least 50 feet from the Los Angeles River. Fuels will be stored in containment basins.
- w.** Equipment washing or cleaning on site will be discouraged, but if must occur on site the cleaning area will be located at least 50 feet away from the Los Angeles River.
- x.** Wash water will be minimized and contained and will not enter water courses.
- y.** Spilled material will be prevented from entering the Los Angeles River. Gravel bags shall be installed along the river edge of the access road to contain or reduce velocity of potential spills and sediments.
- z.** All vehicles and personnel will be confined to designated roadways and access ways.
- aa.** Stockpiled material shall be covered with plastic or erosion-control blankets.
- bb.** Temporary sanitary facilities will be located away from watercourses and drainage facilities.
- cc.** Temporary sanitary facilities will be maintained in good working order.
- dd.** The project design will incorporate appropriate erosion control techniques, such as silt fences or gravel sand bags that will be placed around disturbed areas within the Los Angeles River channel.
- ee.** The silt fence will be inspected before and after each rainfall event. The fence will be repaired as needed.

### 3. Hazardous Materials

- a. To prevent lead chromate traffic paint contamination, representative testing of yellow traffic paint along the viaduct complex will be performed. If lead, lead chromate, or other hazardous materials in the paint exceed standards, removal by sand-blasting or grinding methods will be prohibited, and paint material disposed of properly.

### 4. Sediment Control

- a. Turbidity curtains at the downstream end of the construction work zone will be installed in the river channel for the duration of in-channel construction.
- b. Turbidity curtains will be inspected weekly and prior to and following storm events.
- c. If repair is necessary, maintenance will occur within 48 hours to ensure pollutants do not disperse throughout the river.

### 5. Special Status and Other Species

- a. All construction crews and contractors will be required to participate in a worker environmental awareness program training prior to starting work on the project.
  - i. The training will include a review of the special-status species and other sensitive resources that could exist in the Project area;
  - ii. the possible locations of the sensitive biological resources;
  - iii. their legal status and protections; and
  - iv. measures to be implemented for avoidance of these sensitive resources.
- b. A record of all trained personnel will be maintained.
- c. Pre-construction nest surveys of the riparian habitat within 500 feet of work area in the Los Angeles River channel will be conducted to identify nest sites for special-status bird species.
- d. Pre-construction nest surveys of the riparian habitat within 500 feet of the work area (in the Los Angeles River channel) will be conducted to identify nest sites for special-status bird species. The surveys will be conducted prior to the onset of breeding season before construction is scheduled to begin. If nest structures or sites are identified, they will be excluded to ensure that no nesting of these species occurs within 500 feet of construction activities.
- e. A protective buffer will be established around all nest structures or sites that are identified during pre-construction surveys and project construction will be restricted in protective buffer areas until the biological monitor confirms that nesting activities are complete. The width of the protective buffer will depend upon the bird species and will be up to 500 feet from the nest location.
- f. A qualified biological monitor will monitor construction activities over the course of nesting bird season (February 15th to August 31st) for the presence of nests occupied by Migratory Bird Treaty Act-protected birds.

- g.** Within 30 days before bridge construction or tree removal, a qualified biologist will conduct a pre-construction survey for the presence of roosting bats. If sensitive bat species are found, the following measures should be implemented:
- i. If active nursery roosts are found (typically between April 15 and August 1) a work exclusion area of 500 feet will be cordoned off, and construction activities will be re-scheduled to occur after juvenile bats are able to forage independently.
  - ii. If sensitive bat species are present but there is not an active roost, the Permittee should enter into a Memorandum of Understanding (MOU) with CDFW.
  - iii. Alternate habitat(s) should be provided if bats are to be excluded from maternity roosts.
  - iv. A qualified biologist with a scientific collecting permit will implement bat exclusion measures.
  - v. A roost with comparable spatial and thermal characteristics should be constructed as directed by the biologist.
  - vi. If adult bats need to be handled and relocated, the biologist will prepare and implement a relocation plan subject to approval by CDFW that includes relocating all bats found on-site to an alternate suitable habitat.
- 6.** The project will comply with the local regulations associated with the Regional Board's Municipal Stormwater Permit issued to Los Angeles County and co-permittees under NPDES No. CAS004001 and Waste Discharge Requirements Order No. R4-2012-0175.

#### **H. On-site Mitigation for Temporary Impacts**

The Permittee shall restore all areas of temporary impacts to waters of the state. The majority of the temporary impacts (2.060 acres) are concrete-to-concrete repairs. Of the remainder (0.22 acre): 0.153 acre of ephemeral emergent vegetation will be mowed, but not removed and allowed to regrow naturally after the project; and 0.067 acre of riparian vegetation on the concrete pad north of the Glendale Bridge will be removed and the native vegetation relocated into the adjacent soft bottomed portion of the Los Angeles River.

Table 4: Required Project Mitigation Quantity for Temporary Impacts								
Aquatic Resource Type	Mit. Type <sup>5</sup>	Units	Method <sup>6</sup>					
			Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	PR	Acres					2.280	

**I. Compensatory Mitigation for Permanent Impacts<sup>7</sup>**

**1. Purchase of Mitigation Credits by Permittee for Compensatory Mitigation**

- a. If the Permittee fulfills their compensatory mitigation obligations by securing credits from an approved mitigation bank or in-lieu fee program, the Permittee need only include the items described in 40 CFR § 230.94(c)(5)-(6), and the name of the specific mitigation bank or in-lieu fee program to be used. This information will be submitted to this Regional Board for approval prior to any project activities which take place within waters of the United States and shall include copies of all agreements made between the Applicant and a third-party organization regarding compensatory mitigation efforts.
- b. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Los Angeles Water Board by within 90 days of authorized impacts as follows:
- c. The Permittee shall purchase 0.464 acres of Preservation of Riparian Woodland; and 2.06 acres of Preservation of Freshwater Marsh for a total of 2.524 acres from the Santa Paula Creek Mitigation Bank, for 0.004 acres of permanent impacts to the concrete lined portion of the Los Angeles River, and 2.28 acres of temporary impacts.
- d. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until Los Angeles Water Board staff has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

**XIII. Water Quality Certification**

I hereby issue the Order for the Glendale-Hyperion Bridge Improvement Project, WDID #4WQC40117029 certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean

<sup>5</sup> Mitigation type for onsite restoration of temporary impacts is Permittee Responsible (PR).

<sup>6</sup> Methods: establishment (Est.), reestablishment (Re-est.), rehabilitation (Reh.), enhancement (Enh.), preservation (Pres.). Unknown applies to advance credits with an unknown method and or location.

<sup>7</sup> Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.



Water Act sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards).

This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Wat. Code, § 13000 et seq.).

Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited, and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

  
Deborah Smith  
Executive Officer

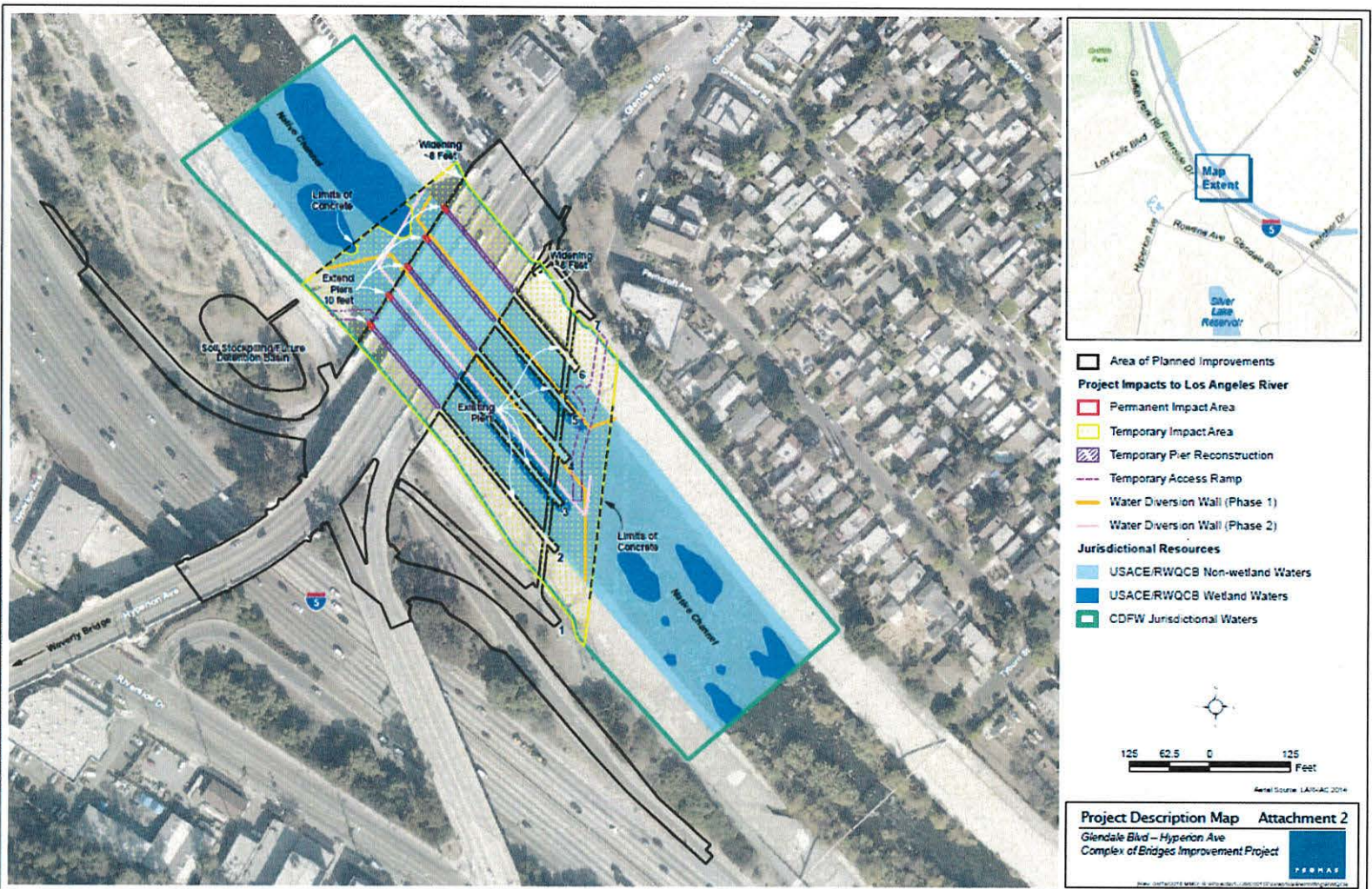
Los Angeles Water Quality Control Board

12/18/18  
Date





Location Map



Attachment B  
Signatory Requirements

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## SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order  
Shall Meet The Following Signatory Requirements:*

1. All applications, reports, or information submitted to the Los Angeles Water Quality Control Board (Los Angeles Water Board) must be signed and certified as follows:
  - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
  - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
  - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
  - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
  - c) The written authorization is submitted to the Los Angeles Water Board Staff Contact prior to submitting any documents listed in item 1 above.
3. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Attachment C  
Report and Notification Requirements

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### Copies of this Form

Include a copy of the Project specific Cover Sheet below with your report: please retain a copy for your records.

### Report Submittal Instructions

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
  - **Part A (Annual Report):** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
  - **Part B (Project Status Notifications):** Used to notify the Los Angeles Water Board of the status of the Project schedule that may affect Project billing.
  - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
  - Submit signed Report and Notification Cover Sheet and required information via email to:  
[Dana.Cole@waterboards.ca.gov](mailto:Dana.Cole@waterboards.ca.gov)
  - Include in the subject line of the email:  
Subject: ATTN: Dana Cole; File No: 17-029, Reg. Measure ID: 412321 Report

### Definition of Reporting Terms

1. **Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
2. **Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Los Angeles Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee



upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.

3. **Request for Notice of Project Complete Letter:** This request by the Permittee to the Los Angeles Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Los Angeles Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
4. **Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Los Angeles Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
5. **Effective Date:** Date of Order issuance.

### Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

#### 1. **Map Format Information:**

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles:** The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD83) in the California Teale Albers projection in feet.
- **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- Aquatic resource maps marked on paper **USGS 7.5 minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.

2. **Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

**REPORT AND NOTIFICATION COVER SHEET**

**Project:** Glendale-Hyperion Bridge Improvement Project

**Permittee:** City of Los Angeles, Department of Public Works

**Reg. Meas. ID:** 412321                      **Place ID:** 833917                      **File No:** 17-029

**Report Type Submitted**

**Part A – Project Reporting**

**Report Type**                       **Annual Report**

**Part B - Project Status Notifications**

**Report Type**                       **Commencement of Construction**

**Report Type**                       **Request for Notice of Completion of Discharges Letter**

**Report Type**                       **Request for Notice of Project Complete Letter**

**Part C - Conditional Notifications and Reports**

**Report Type**                       **Accidental Discharge of Hazardous Material Report**

**Report Type**                       **Violation of Compliance with Water Quality Standards Report**

**Report Type**                       **In-Water Work/Diversions Water Quality Monitoring Report**

**Report Type**                       **Modifications to Project Report**

**Report Type**                       **Transfer of Property Ownership Report**

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name <sup>1</sup>

Affiliation and Job Title

Signature

Date

**<sup>1</sup>STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)**

I hereby authorize \_\_\_\_\_ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

\_\_\_\_\_  
Permittee's Signature

\_\_\_\_\_  
Date

**\*This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

**Part A – Project Reporting**

<b>Report Type</b>	<b>Annual Report</b>
<b>Report Purpose</b>	Notify the Los Angeles Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
<b>When to Submit</b>	Annual reports shall be submitted each year on the anniversary of Project effective date. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
<b>Report Contents</b>	<p>The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.</p> <p><b><u>During the Active Discharge Period</u></b></p> <ul style="list-style-type: none"> <li>• <b>Topic 1: Construction Summary</b></li> <li>• <b>Topic 2: Mitigation for Temporary Impacts Status</b></li> <li>• <b>Topic 3: Compensatory Mitigation for Permanent Impacts Status</b></li> </ul> <p><b><u>During the Post-Discharge Monitoring Period</u></b></p> <ul style="list-style-type: none"> <li>• <b>Topic 2: Mitigation for Temporary Impacts Status</b></li> <li>• <b>Topic 3: Compensatory Mitigation for Permanent Impacts Status</b></li> </ul>
<b>Annual Report Topics (1-3)</b>	
<b>Annual Report Topic 1</b>	<b>Construction Summary</b>
<b>When to Submit</b>	With the annual report during the Active Discharge Period.
<b>Report Contents</b>	<ol style="list-style-type: none"> <li>1. Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay.</li> <li>2. Color photos, pre-project and current.</li> <li>3. Map showing general Project progress.</li> <li>4. If applicable: <ol style="list-style-type: none"> <li>a. Summary of any conditional reports sent during the year such as “Accidental Discharge of Hazardous Material Report” or “Accidental Discharge of Hazardous Material Report”</li> <li>b. Copies of revised permits from other agencies</li> <li>c. Compilation of all water quality monitoring results for the year in a spreadsheet format.</li> </ol> </li> </ol>

<b>Annual Report Topic 2</b>	<b>Mitigation for Temporary Impacts Status</b>
<b>When to Submit</b>	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
<b>Report Contents</b>	<p><b>*If not applicable report N/A.</b></p> <ol style="list-style-type: none"> <li>1. Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state.</li> <li>2. If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of mitigation success.</li> </ol>
<b>Annual Report Topic 3</b>	<b>Compensatory Mitigation for Permanent Impacts Status</b>
<b>When to Submit</b>	With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.
<b>Report Contents</b>	<p><b>*If not applicable report N/A.</b></p> <p><b>Part A. Permittee Responsible</b></p> <ol style="list-style-type: none"> <li>1. Planned date of initiation of compensatory mitigation site installation.</li> <li>2. If installation is in progress, a map of what has been completed to date.</li> <li>3. If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan.</li> </ol> <p><b>Part B. Mitigation Bank or In-Lieu Fee</b></p> <ol style="list-style-type: none"> <li>1. Status or proof of purchase of credit types and quantities.</li> <li>2. Include the name of bank/ILF Program and contact information.</li> <li>3. If ILF, location of project and type if known.</li> </ol>

### Part B – Project Status Notifications

<b>Report Type</b>	<b>Commencement of Construction</b>
<b>Report Purpose</b>	Notify Los Angeles Water Board staff prior to the start of construction.
<b>When to Submit</b>	Must be received at least seven (7) days prior to start of initial ground disturbance activities.
<b>Report Contents</b>	<ol style="list-style-type: none"> <li>1. Date of commencement of construction.</li> <li>2. Anticipated date when discharges to waters of the state will occur.</li> <li>3. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.</li> </ol>

<b>Report Type</b>	<b>Request for Notice of Completion of Discharges Letter</b>
<b>Report Purpose</b>	Notify Los Angeles Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
<b>When to Submit</b>	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project construction activities.
<b>Report Contents</b>	<ol style="list-style-type: none"> <li>1. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized.</li> <li>2. An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.</li> </ol>

<b>Report Type</b>	<b>Request for Notice of Project Complete Letter</b>
<b>Report Purpose</b>	Notify Los Angeles Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
<b>When to Submit</b>	Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project activities.
<b>Report Contents</b>	<p><b>Part A: Mitigation for Temporary Impacts</b></p> <ol style="list-style-type: none"> <li>1. A report establishing that areas of temporary impacts to waters of the state, and upland areas of temporary disturbance which could result in a discharge to waters of the state, have been successfully restored and all identified success criteria have been met. Pre- and post-photo documentation of all restoration sites.</li> </ol> <p><b>Part B: Permittee Responsible Compensatory Mitigation</b></p> <ol style="list-style-type: none"> <li>2. A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.</li> <li>3. Status on the implementation of the long-term maintenance and management plan and funding of endowment.</li> <li>4. Pre- and post-photo documentation of all compensatory mitigation sites.</li> <li>5. Final maps of all compensatory mitigation areas (including buffers).</li> </ol> <p><b>Part C: Post-Construction Storm Water BMPs</b></p> <ol style="list-style-type: none"> <li>6. Date of storm water permit Notice of Termination(s), if applicable.</li> <li>7. Report status and functionality of all post-construction BMPs.</li> </ol>

**Part C – Conditional Notifications and Reports**

<b>Report Type</b>	<b>Accidental Discharge of Hazardous Material Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff that an accidental discharge of hazardous material has occurred.
<b>When to Submit</b>	Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Los Angeles Water Board staff.
<b>Report Contents</b>	<ol style="list-style-type: none"> <li>1. The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted.</li> <li>2. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites.</li> <li>3. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.</li> </ol>

<b>Report Type</b>	<b>Violation of Compliance with Water Quality Standards Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff that a violation of compliance with water quality standards has occurred.
<b>When to Submit</b>	The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Los Angeles Water Board staff.
<b>Report Contents</b>	The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Los Angeles Water Board staff.

<b>Report Type</b>	<b>In-Water Work and Diversions Water Quality Monitoring Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff of the completion of in-water work.
<b>When to Submit</b>	Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.
<b>Report Contents</b>	As required by the approved water quality monitoring plan.



<b>Report Type</b>	<b>Modifications to Project Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff if the Project, as described in the application materials, is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority.
<b>When to Submit</b>	Prior to any alteration or modification of Project activities.
<b>Report Contents</b>	A description and location of any alterations of Project activities. Identify any Project modifications that will interfere with the Permittee's compliance with the Order. Any alteration may require an Amendment, to be determined by Los Angeles Water Board staff.

<b>Report Type</b>	<b>Transfer of Property Ownership Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.
<b>When to Submit</b>	At least 10 working days prior to the transfer of ownership.
<b>Report Contents</b>	<ol style="list-style-type: none"> <li>1. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts:               <ol style="list-style-type: none"> <li>a. the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and</li> <li>b. responsibility for compliance with any long-term BMP<sup>1</sup> maintenance plan requirements in this Order.</li> </ol> </li> <li>2. A statement that the Permittee has informed the purchaser to submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.</li> </ol>

<b>Report Type</b>	<b>Transfer of Long-Term BMP Maintenance Report</b>
<b>Report Purpose</b>	Notifies Los Angeles Water Board staff of transfer of long-term BMP maintenance responsibility.
<b>When to Submit</b>	At least 10 working days prior to the transfer of BMP maintenance responsibility.
<b>Report Contents</b>	A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

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<sup>1</sup> Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.